In Reply Refer To: MS 5231

April 16, 1993

Amerada Hess Corporation
Attention: Mr. Keith J. Dupuis
1201 Louisiana, Suite 700
Houston, Texas 77002-5681

Gentlemen:

Reference is made to the following plan received April 2, 1993:

Type Plan - Supplemental Development Operations Coordination Document
Lease - OCS-G 8092
Block - A-112
Area - Mustang Island
Activities Proposed - Wells P through S

In accordance with 30 CFR 250.34, this plan is hereby deemed submitted and is now being considered for approval.

Your control number is S-2939 and should be referenced in your communication and correspondence concerning this plan.

Sincerely,

(Orig sgnd. J.D. Hennessey)

for D. J. Bourgeois
Regional Supervisor
Field Operations

bcc: Lease OCS-G 8092 POD File (MS 5032)
MS 5034 w/public info. copy of the plan and accomp. info.

DTrocquet:cic:04/05/93:DOCDCOM

NOTED-SCHEXNAILDRE

AMERADA HESS CORPORATION
SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION DOCUMENT
GULF OF MEXICO - OFFSHORE, TEXAS
MUSTANG ISLAND A-111, A-112
OCS-G-3068, 8092

APRIL 1, 1993

COMPANY CONTACT

KEITH J. DUPUIS (713) 752-5926

AMERADA HESS CORPORATION
1201 LOUISIANA STREET
HOUSTON, TEXAS 77002-5681

LIST OF ATTACHMENTS

A. Vicinity Plat
B. Well Location Table
C. Well Location Plat
D. Geologic Structure Maps (confidential copies only)
E. Bathymetry Map
F. Discharge Quantities and Rates (confidential copies only)
G. Air Emissions Report

AMERADA HESS CORPORATION

KEITH J. DUPUIS, SUPERVISOR
ENVIRONMENTAL/REGULATORY AFFAIRS

1201 LOUISIANA, SUITE 700
HOUSTON, TEXAS 77002
(713) 752-5926
FAX: (713) 752-5660

April 1, 1993

UNITED STATES DEPARTMENT OF THE INTERIOR
Minerals Management Service
1201 Elmwood Park Blvd.
New Orleans, LA 70123-2394

PUBLIC INFORMATION

Attn: Mr. D. J. Bourgeois
Regional Supervisor
Field Operations (MS 5231)

RE: Supplemental Development Operations Coordination Document
Mustang Island Blocks A-111/A-112
OCS-G-3068, 8092
Offshore, Texas

Gentlemen:

In accordance with Minerals Management Service Regulations 30 CFR 250.34 (q) (2) relative to revisions to approved or pending Development and Production Plans, Amerada Hess Corporation (Amerada Hess) hereby submits for review and ultimate approval nine (9) copies of a Supplemental Development Operations Coordination Document (DOCD) for Mustang Island Blocks A-111, A-112 (OCS-G-3068, 8092).

Five (5) copies of the Supplemental DOCD are considered "Confidential" and include certain geological/geophysical data which is to be exempt from public inspection. Four (4) "Public Information" copies of the Supplemental DOCD are enclosed which exclude "Confidential" information.

It is our estimation that drilling of the "Q" well could begin on May 15, 1993.

Please contact me at (713) 752-5926 if any additional information is required.

With kindest regards,

Keith J. Dupuis

KJD/fet
enclosures

cc: E. L. Ardoin
H. G. Low
R. R. Pressler
H. S. Sanchez
C. Files - MU A-111/MU A-112 (File 2.212)
U.S. Dept. of the Interior - Lake Jackson District Office

AMERADA HESS CORPORATION
SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATION DOCUMENT
MUSTANG ISLAND BLOCK A-111, A-112
OCS-G-3068, 8092

I. PROPOSED TYPE AND SEQUENCE OF ACTIVITIES

Amerada Hess Corporation proposes additional development of Mustang Island Blocks A-111 and A-112 (OCS-G-3068, 8092) by drilling four (4) wells from surface locations on the existing "A" Platform in Mustang Island A-111. All four wells are planned to encounter targets and reach total depth in Mustang Island A-112.

Thirteen wells have been drilled at the "A" Platform in Mustang Island A-111, which was previously installed by Transco Exploration Company in 1981. Five slots, not previously utilized, are available for additional drilling.

The 1990 Initial Joint DOCD for Mustang Island Blocks A-112, A-121, and A-122, all of which are operated by Amerada Hess Corporation, did not propose additional drilling, particularly into Block A-112, thus necessitating the filing of this Supplemental DOCD.

Plans are to spud Well "Q" on or about May 15, 1993. The proposed surface location of the well will be on the existing "A" Platform in Mustang Island A-111 at 6315' FNL and 5327' FWL. Well "Q" is expected to take 50 days to drill and complete. Subsequent drilling of wells P, R, and S should be completed by the fourth quarter, 1993.

Existing production and pipeline facilities in the Mustang Island A-111 field will be utilized for handling hydrocarbon production from the four new wells.

As this development project will involve simultaneous drilling and production operations, production from each of the four wells will begin immediately after each is capable of production. Estimated production from the four wells is expected to be 25 MMCFD, extending production in the Mustang Island A-111 Field by seven years.

Attachment A is a vicinity map which indicates the location of the existing "A" Platform relative to the shoreline. Attachment B is a table identifying the surface and bottom hole locations of the four wells, in addition to the proposed depth of the wells.

II. DESCRIPTION OF DRILLING UNIT

The four additional wells are expected to be drilled with a typical platform drilling rig. The specifications of the drilling rig will be submitted as part of each Application for Permit to Drill.

Typical Diverter and BOP Schematics utilized on the platform drilling rig will also be included in the Application for Permit to Drill.

III. WELL LOCATIONS

As previously mentioned in Section I, the proposed surface and bottom hole locations of the P-S wells in this Supplemental DOCD are detailed in a Well Location Table on Attachment B. A Well Location Plat indicating the position of the wells within Mustang Island A-111 is included as Attachment C. Where applicable, "Confidential" information has been excluded in the Public Information copies of the Supplemental DOCD.

IV. STRUCTURE MAP

A geologic structure map drawn to the top of each prospective hydrocarbon accumulation showing the surface and bottom hole location of the proposed P-S wells is included as Attachment D.

V. BATHYMETRY MAP

A bathymetry map showing the surface location of the proposed P-S wells is included as Attachment E.

VI. SHALLOW HAZARDS

As previously mentioned in the Initial DOCD for Mustang Island A-111, a shallow hazards analysis was completed and submitted as part of both the Initial Plan of Exploration and Initial DOCD. The thirteen wells previously drilled at the "A" Platform location verify no shallow gas hazards exist. In addition, soil borings were taken at the site of the "A" Platform to properly design the structure prior to its installation.

VII. OIL SPILL CONTINGENCY PLAN

All development operations shall be performed in accordance with industry standards to prevent pollution of the environment. Amerada Hess Corporation's Oil Spill Contingency Plan (OSCP) was approved by MMS on September 29, 1992 (revised). This plan designates an Emergency Response Team consisting of Amerada Hess' personnel and contract personnel. This team's duties are to eliminate the source of any spill, remove all sources of potential ignition, deploy the most reliable means of available transportation to monitor the movement of a slick, and contain and remove the slick if possible.

Amerada Hess Corporation is a member of Clean Gulf Associates (CGA). The CGA stores pollution control equipment at two locations in Texas, at Port Aransas and Galveston; five locations in Louisiana, at Venice, Grand Isle, Intracoastal City, Houma and Cameron; one location in Alabama, at Theodore and one location in Florida, Panama City.

Each base is equipped with fast response skimmers and there is a barge-mounted high volume open sea skimmer based at Grand Isle, Louisiana. In addition to providing equipment, the CGA also supplies advisors for clean-up operations. Equipment available from CGA and base locations are listed in the CGA Manual, Volume I, Section III.

Response equipment and response times will be suitable for anticipated environmental conditions in the area. In the event of an oil spill in Mustang Island A-111, the primary location for the procurement of clean-up equipment would be the CGA stockpile at Port Aransas, Texas. Additional clean-up equipment could be mobilized from the Galveston, Texas and Cameron, Louisiana CGA stockpile areas. The Port Aransas stockpile area is located approximately 77 miles northwest of Mustang Island A-111.

In accordance with LTL's dated October 12, 1988 and September 5, 1989, the following is an estimation of time periods for procurement, mobilization, transportation, and deployment of oil spill response equipment.

	HOURS
A. Procurement Time - It is estimated that 2 hours will be required to secure a support vessel for mobilization of the oil spill response equipment from the Port Aransas CGA stockpile area.	2. 0 hrs.
B. Load Out Time - The time required to transfer the equipment to the transportation vessel will be approximately 1.5 hours.	1.5 hrs.
C. Travel Time - Based on a transit speed of approximately 10 knots, it is estimated that 8.5 hours would be required to move equipment from the CGA Port Aransas base to the deployment site. This time frame is based on a transit distance of 77 miles from Port Aransas and .5 hour for the vessel to reach open water.	8.5 hrs.
D. Equipment Deployment - The time required to initiate clean-up operations once the transportation vessel arrives at the spill site is estimated to be 1 hour.	1.0 hrs.
* Estimated Total Time:	13.0 hrs.

* NOTE: Response time could, due to unforeseen circumstances at the time of a spill, be greater or lesser than the above estimates.

In the event a spill occurs at the "A" Platform location in Mustang Island Block A-111, our company has projected trajectory of a spill utilizing information as presented in the Final Environmental Impact Statement (EIS) for OCS Lease Sales 142 and 143.

The EIS contains oil spill trajectory simulations using seasonal surface currents coupled with wind data, adjusted every 3 hours for 30 days or until a target is contacted.

Hypothetical spill trajectories were simulated for each of the potential launch sites across the entire Gulf. These simulations presume 500 spills occurring in each of the four seasons of the year.

The results in the EIS were presented as probabilities that an oil spill beginning from a particular launch site would contact a certain land segment within 3, 10, or 30 days.

Utilizing the summary of the trajectory analysis (for 10 days) as presented on pages IV-116 through IV-127, the probable landfall of an oil spill is as follows. Also listed is the CGA Map Number corresponding to the land segment which will be utilized to determine environmentally sensitive areas that may be affected by a spill.

AREA	LAND SEGMENT CONTACT	%	CGA MAP NUMBER(S)
Mustang Island A-111	Calhoun, Texas	8	TX Maps 1, 2, & 3
	Matagorda, Texas	7	TX Maps 1, 2, & 3

If a spill should occur at the Mustang Island A-111 "A" Platform location, Amerada Hess would immediately activate its Emergency Response Team, determine from current conditions the probable location and time of landfall if applicable, by contacting Continental Shelf Associates and/or the National Oceanic Atmospheric Administration's (NOAA) Gulf of Mexico Scientific Support Coordinator (SSC), for assistance in predicting spill movement. Then, using the Clean Gulf Operations Manual, Volume II, we would identify the biologically sensitive area and determine the appropriate response mode.

Section V, Volume II of the CGA Manual containing maps as listed above, also includes equipment containment/cleanup protection response modes for the sensitive areas.

Section VI, Volume II of the CGA Operations Manual depicts the protection response modes that are applicable for oil spill clean-up operations. Each response mode is schematically represented to show optimum deployment and operation of the equipment in areas of environmental concern. Implementation of the suggested procedures assures the most effective use of the equipment and will result in reduced adverse impact of oil spills on the environment. Supervisory personnel have the option to modify the deployment and operation of equipment to more effectively respond to site-specific circumstances.

Again, most important is the fact that should a spill occur during operations in Mustang Island A-111, Amerada Hess will react as quickly as possible to avoid environmental impact, as would be expected of a prudent operator.

VIII. NEW OR UNUSUAL TECHNOLOGY

No new techniques or unusual technology will be required for the proposed operations in Mustang Island A-111/A-112.

IX. LEASE STIPULATIONS

Lease Stipulations Nos. 1 and 2 were invoked in Mustang Island Block A-111 during the issuance of the block to Transco Exploration Company.

In accordance with Stipulation No. 1 (Archaeological Resources), a report previously submitted with the Initial Plan of Exploration documented the absence of any cultural or archaeological resources in Mustang Island A-111, A-112.

Lease Stipulation No. 2 required the shunting of all drill cuttings and drilling fluids (for production platforms only), within the "3 mile zone" of the South Baker Bank. Amerada Hess will fully comply with this stipulation by shunting all drill cuttings and drilling fluids to the bottom through a downpipe that terminates no more than six meters from the sea floor.

X. DISCHARGES

All discharges from operations conducted under this Supplemental DOCD will be in strict compliance with the provisions of the Environmental Protection Agency National Pollution Discharge Elimination System General Permit for the Gulf of Mexico (GMG 290000).

Amerada Hess Corporation has recently been assigned coverage under EPA NPDES Permit GMG 290003, outfall number 081A for Mustang Island Block A-111, and outfall number 082A for Mustang Island A-112.

The anticipated discharge quantities and drill cuttings discharge rates for the proposed P-S wells are included as Attachment F.

All other information previously submitted in this section in the Initial DOCD remains unchanged.

XI. HYDROGEN SULFIDE CLASSIFICATION

Although the 1981 Initial DOCD did not specifically address the issue of hydrogen sulfide, a total of thirteen wells have been drilled in Mustang Island A-111 (OCS-G-3068) with no indication of hydrogen sulfide being detected. In addition, the Mustang Island A-112 B-4 well (OCS-G-8092) was also drilled without detecting H_2S.

Amerada Hess Corporation therefore requests that Mustang Island Blocks A-111 and A-112 be classified as "zones where the absence of H_2S has been confirmed".

XII. SUPPORT BASE

As previously mentioned in the Initial DOCD for Mustang Island A-111, a support base at Ingleside, Texas will be utilized to transport supplies and personnel to operations at the Mustang Island Block A-111 "A" Platform. No changes to the existing facilities are anticipated as a result of the additional development operations in Mustang Island Blocks A-111, A-112.

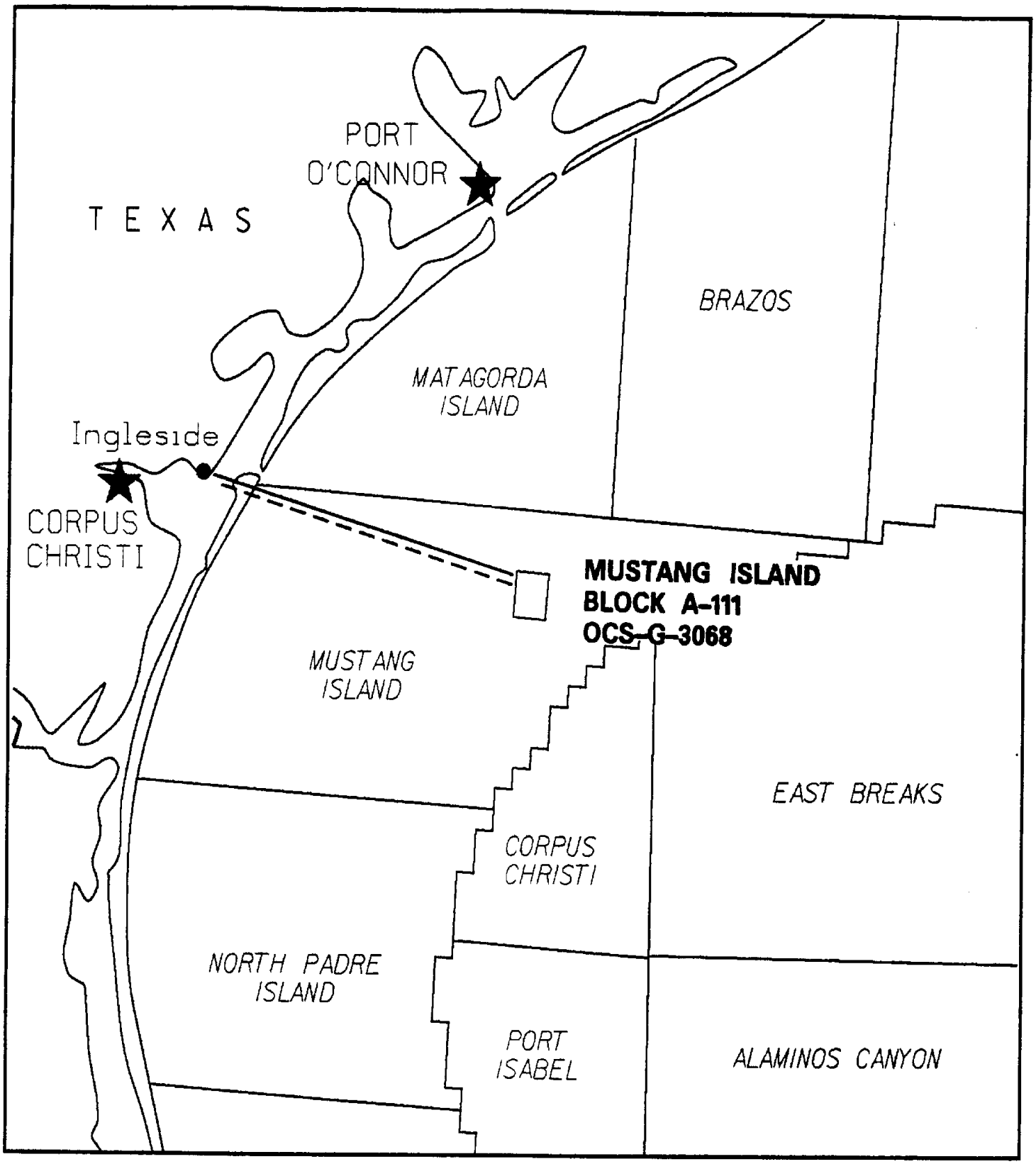
XIII. AIR EMISSIONS REPORT

Projected air emissions resulting from activities detailed in this Supplemental DOCD have been calculated and are included as Attachment G.

XIV. COMPANY CONTACT

Any inquiries regarding this Plan may be addressed to the following individual:

Keith J. Dupuis
Supervisor, Environmental/
Regulatory Affairs
Amerada Hess Corporation
1201 Louisiana, Suite 700
Houston, TX 77002-5681



LEGEND

PROPOSED TRANSPORTATION ROUTES

——— **HELICOPTER**

– – – **BOAT**

APPROX. 62 MILES TO INGLESIDE

APPROX. 54 MILES TO NEAREST SHORE

PUBLIC

Attachments

AMERADA HESS CORPORATION

UNITED STATES OFFSHORE EXPLORATION

MUSTANG ISLAND BLK. A-111

VICINITY MAP

Geophysicist T. Hedley
Geologist J. Nicholson

Date 3-93

X1383980C.PLT

ATTACHMENT A

AMERADA HESS CORPORATION
SUPPLEMENTAL DEVELOPMENT OPERATIONS COORDINATIO DOCUMENT
MUSTANG ISLAND BLOCKS A-111, A-112
OCS-G-3068, 8092

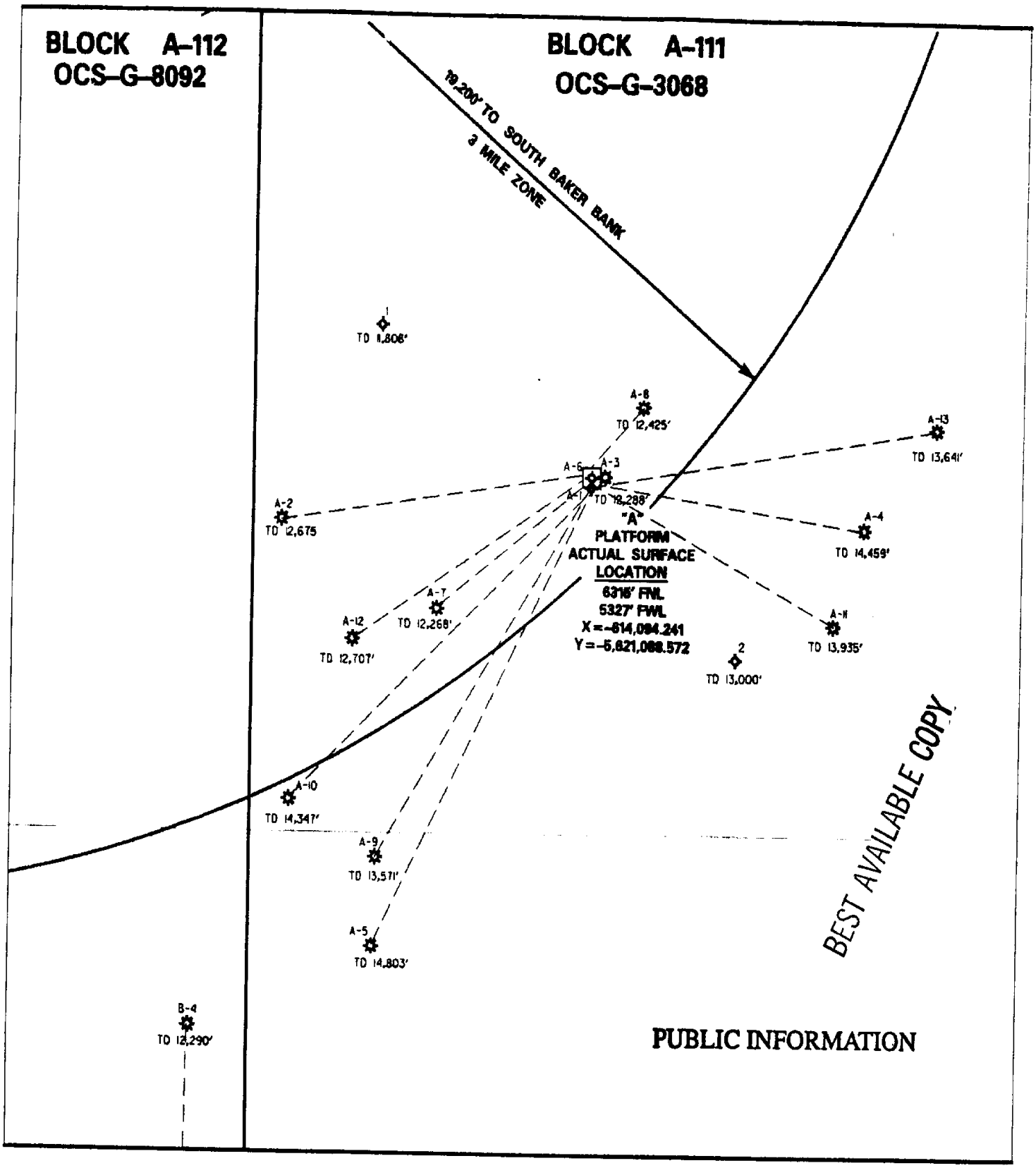
WELL LOCATION TABLE

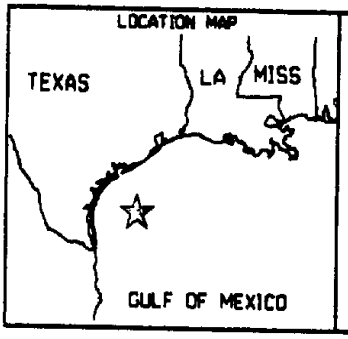
Well	Proposed Surface Location	Water Depth
P	*6315' FNL & 5327' FWL of MU A-111 x = -614,094.241' y = -5,621,088.672'	304'
Q	*	304'
R	*	304'
S	*	304'

* MUSTANG ISLAND A-111 "A" PLATFORM

PUBLIC INFORMATION

ATTACHMENT B





LEGEND

- SURFACE LOCATION
- ACTIVE WELLS
- DRY HOLES

PUBLIC

Attachments

AMERADA HESS CORPORATION
UNITED STATES OFFSHORE EXPLORATION

MUSTANG ISLAND BLK. A-111
WELL LOCATION MAP

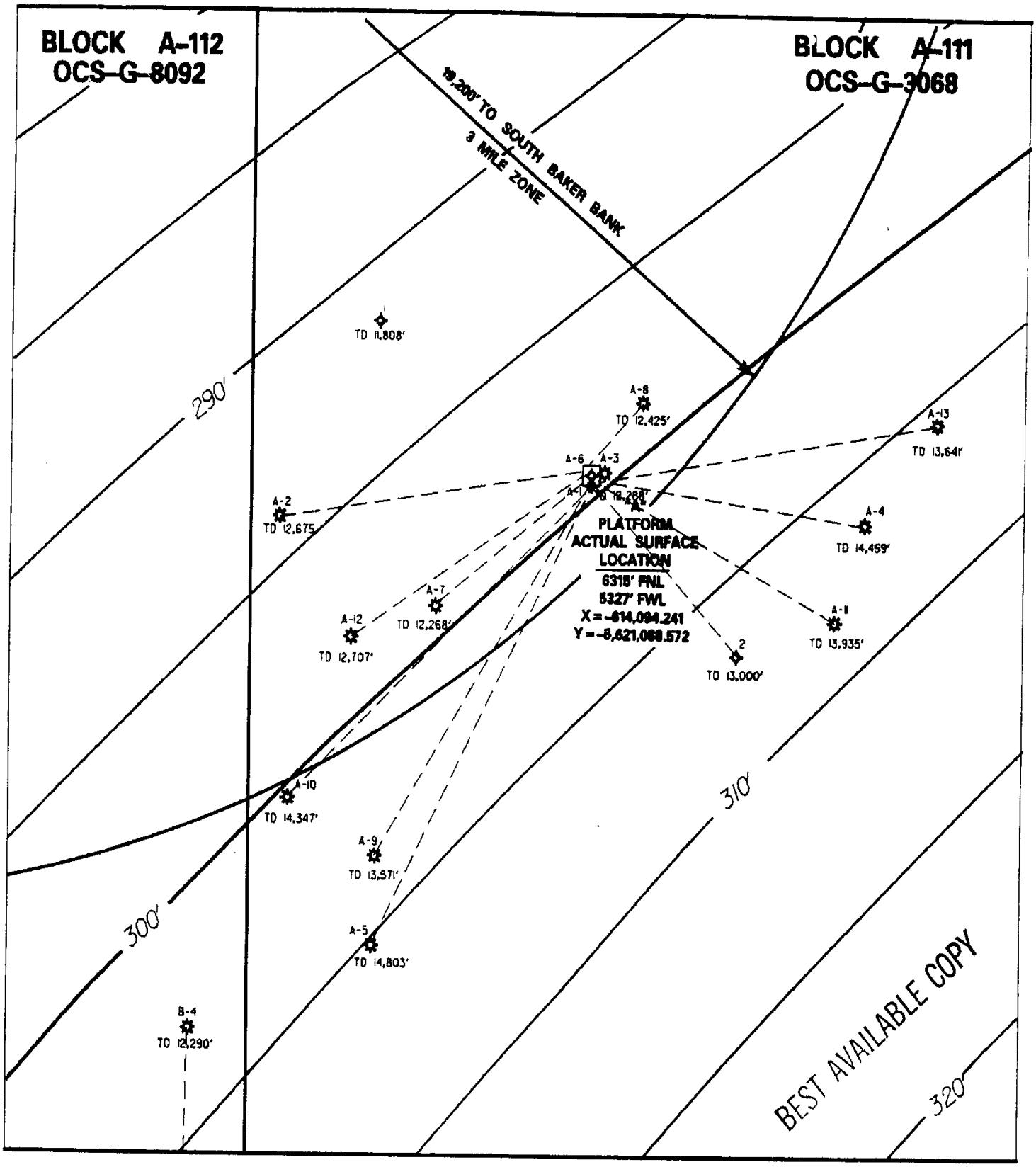
0' 2000' 4000'

Geophysicist T. Medley
Geologist J. Nicholson

Date 3-93
C.I.

X9303980C.PLT

ATTACHMENT C



LEGEND

- SURFACE LOCATION
- ACTIVE WELLS
- DRY HOLES

PUBLIC

Attachment

AMERADA HESS CORPORATION
UNITED STATES OFFSHORE EXPLORATION

MUSTANG ISLAND BLK. A-111

BATHYMETRY MAP

0' 2000' 4000'

Geophysicist T. Hadley
Geologist J. Nicholson

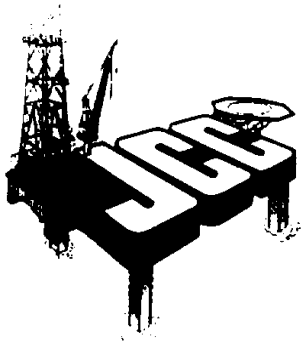
Date 3-93
Ed. 5'

X9383960C.PLT

ATTACHMENT E

J. Connor Consulting, Inc.

P.O. Box 218753 Houston, Texas 77218 (713) 558-0607 Fax: (713) 558-8369



03/08/93

PROJECTED AIR EMISSION SCHEDULE FOR SUPPLEMENTAL DEVELOPMENT/PRODUCTION PROJECT

GENERAL INFORMATION

Location of Facility:	Mustang Island Block A–111 & A–112 OCS–G 3068/8092
Name of Rig:	Typical/Platform
Operator:	AMERADA HESS CORPORATION 1201 Louisiana, Suite 700 Houston, Texas 77002
Contact Person:	Keith Dupuis
Date Drilling Will Begin:	April 17, 1993
Date Production Will Begin:	June 11, 1993
Distance Offshore:	77 miles
Number of Days to Drill/Complete:	220 days
Well Footage to be Drilled:	48,737 feet

MAJOR SOURCES (OFFSHORE)

Power used aboard drilling vessel; approximate footage to be drilled 48,737'.*

Emitted Substance	Projected Emissions lbs/day*	tons/yr
CO	88	9.650
SO2	28	3.070
NOx	412	45.325
VOC	33	3.655
TSP	29	3.217

* Based on 60 hphr/ft. from Table 4–3, "Atmoshperic Emissions from Offshore Oil and Gas Development and Production", EPA No. 450/3–77–026, June, 1977

** Emission factors from Table 3.3.3–1, "Compilation of Air Pollutant Emission Factors", Fourth Edition, EPA Report AP–42, September, 1985

ATTACHMENT G

Projected Air Emissions
AMERADA HESS CORPORATION
Mustang Island Block A-111 & A-112

MINOR SOURCES (OFFSHORE)*

Emitted Substance	Projected Emissions lbs/day*tons/yr 1992
CO	1.568
SO2	0.049
NOx	0.277
VOC	0.148
TSP	0.068

* Tables 3.2.1-3, 3.2.3-1 and 2.1-1, "Compilation of Air Pollutant Emission Factors", Fourth Edition, EPA Report AP-42, September, 1985.

TOTAL ALL SOURCES (tons/year)

1992	CO	SO2	NOx	VOC	TSP
Minor	9.650	3.070	45.325	3.655	3.217
Major	1.568	0.049	0.277	0.148	0.068
Total	11.218	3.119	45.603	3.803	3.285

ONSHORE SOURCES

These should be about the same as minor sources unless new facilities are installed at the onshore base. No additional facilities are required or planned at this time.

EMISSION EXEMPTION DETERMINATION

For CO: E = 3400(D)2/3 = 3400(77)2/3 = 61,537 tons/year
For NOx, VOC, TSP & SO2: E = 33.3D = 33.3(77) = 2,564 tons/year

Projected Air Emissions
AMERADA HESS CORPORATION
Mustang Island Block A–111 & A–112

PREDICTED PRODUCTION AND DRILLING ACTIVITY

Gas Production = 25 MMCFD
Oil Production = 0 BCPD

TRANSPORTATION SERVICES

Supply Boats (3000 hp)

Trips Per Week During Drilling – 3
Trips Per Week During Production – 1

Crew Boats

Trips Per Week During Drilling – 5
Trips Per Week During Production – 0

Helicopter

Trips Per Week During Drilling – 7
Trips Per Week During Production – 1

METHODOLOGY

Platform: Horsepower – hour method
Boats: Horsepower – hour method
Helicopters: Landing/Takeoff (LTO) cycle method

REFERENCES

Production – EPA 450/3–77–026 (June, 1977) – "Atmosphere Emissions from Offshore Oil and Gas Development and Production", pp. 81–116.

Boats – EPA Report AP–42 – "Compilation of Air Pollutant Emission Factors", Fourth Edition, (September, 1985), pp. 116,125 and 12;

FINDINGS OF AIR QUALITY REVIEW

As per DOI/MMS regulations, this facility is exempt form further air quality review as it has been determined that its operations will not have a significant adverse impact on air quality.